

**AMENDMENTS TO THE DRAWINGS**

The attached replacement sheet of drawing includes changes to Fig. 7. In Fig. 7, previously omitted feedback path 719 and DA converter 717 have been added.

## **REMARKS**

### **STATUS OF CLAIMS**

In response to the Office Action dated November 24, 2006, claims 1-3, 7, 9, 11, 13, 14, 18 and 20 have been amended. Claims 1-20 are now pending in this application. No new matter has been added.

The indication that claims 7, 8 and 10-19 are objected to, but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims is acknowledged and appreciated.

### **OBJECTION TO DRAWINGS**

The drawings have been objected to for not showing the digital to analog converter recited in claim 15.

By this response, a substitute sheet of drawing of Fig. 7 has been submitted which shows a feedback path 719 including a DA converter 717. The specification has been amended at page 17 to include reference to feedback path "719" and DA converter "717". No new matter has been added since "a negative feedback path including a DA converter" was originally described in the specification, but not shown in the drawings.

### **OBJECTION TO SPECIFICATION**

The specification has been objected to for having a minor informality. More specifically, the Examiner maintains that at page 16, line 7, "Fig. 1" should be "Fig. 5".

By this response, the specification has been amended at page 16, line 7, changing "Fig. 1" to "Fig. 5". Consequently, withdrawal of the objection to the specification is respectfully solicited.

### **CLAIM OBJECTIONS**

Claims 1-20 have been objected as having a number of informalities. By this response, claims 1-3, 7, 9, 11, 13, 14, 18 and 20 have been amended as suggested by the Examiner. Consequently, withdrawal of this objection to the claims is respectfully solicited.

### **REJECTION OF CLAIMS UNDER 35 U.S.C. § 102**

Claims 1-6, 9 and 20 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Ignjatovic et al. (USPN 6,707,409), filed in the U.S. on September 11, 2002 and issued March 16, 2004.

However, the present application claims priority of Japanese Application 2002-218779, filed July 26, 2002. To perfect this claim of priority, a certified translation of Japanese Application 2002-218779 is submitted herewith.

Notwithstanding the fact that Applicant has perfected his claim of priority to Japanese Application 2002-218779, the following comments are provided.

Claim 1 of the present application is directed to a correlator which figures out a correlation between an input signal, which is a pulse train, and a predetermined time-series signal (especially for use in a receiver for impulse radio). In contrast, the invention described in Ignjatovic et al. is "a delta-sigma modulator for converting an analog input signal to a digital

output signal”, and the delta-sigma modulator is used in impulse radio. For this reason, the present invention is different from that of Ignjatovic et al.

In view of the above, withdrawal of this rejection of claims 1-6, 9 and 20 is respectfully solicited, as Ignjatovic et al. (USPN 6,707,409) is not prior art with respect to the present application.

### **CONCLUSION**

Accordingly, it is urged that the application, as now amended, is in condition for allowance, an indication of which is respectfully solicited. If there are any outstanding issues that might be resolved by an interview or an Examiner's amendment, Examiner is requested to call Applicants' attorney at the telephone number shown below.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Edward J. Wise, Reg. No. 34,523, at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any


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Reply to Office Action of November 24, 2006

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additional fees required under 37.C.F.R. §§1.16 or 1.14; particularly, extension of time fees.

Dated: February 23, 2007

Respectfully submitted,

By 

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